

## Network Verification Tool

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### Abstract

10 A network verification tool is presented that allows a user to easily create  
tasks for a collection of task types. The collection of task types are hosted by probe  
network devices that are coupled to a network under test. The network under test  
includes network devices executing generic network software and particular  
15 hardware or software that is being tested. The probe network devices are coupled  
to an NVT server, which transmits tasks to the task types and interfaces with one or  
more NVT clients. The NVT clients can create tasks by entering the appropriate  
parameters within templates supplied by the NVT server. Any collection of task  
types can be included in the network verification tool, including traffic generators,  
20 traffic analyzers, large network emulators, session emulators, device queries and  
script tasks.

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